036

70 - 037

SCALE 1:100

LENGTH 90.81m NORTHING 776 7.4
AZIMUTH 301° EASTING 7820 0
DIP AT COLLAR 65°E ELEVATION 417.8
LOCATION LOCATION 25

McINTYRE MINES (AUST.) PTY. LTD.
EXPLORATION DEPARTMENT
HOLE No 333 PAGE 1 OF 114.
PROJECT. KARA.

% CORE RECOVERY	CORE SPLIT	FEATURE	FRACTURING	BEDDING	GEOLOGY	MINERAL
NC					OV	
3.05						
84 26						
6.10						
87.88						
8.53						
95.26						
11.58						
100						
12.19					B	
100						
14.63						
100						
17.68						
100						
20.73						
93.4						
21.88					Bc	
18.77						
23.77						
22.0						

MINERALISATION
MAIN SEQUENCES.

0.00 - 20.25 - TERTIARY BASALT
20.25 - 23.77 - TERT. CONGLOMERATE
23.77 - 41.10 - GORDON LST SEQ.
41.10 - 69.18 - UPPER SHARN UNIT
69.18 - 64.45 - TRANSITIONAL MARTON
64.45 - 76.85 - LOWER SHARN UNIT
76.85 - 86.70 - ARENACEOUS UNIT
86.70 - 90.60 - END ZONE.
90.60 - 90.81 - GRANITE.

LEVELS OF OXIDATION.

X - 0.00 - 6.40
F - 6.40 - 20.25
Y - 20.25 - 59.20
F - 59.20 - 90.81.

NIL

NIL

NIL

GEOLOGY

NO CORE
DRILL SITE
OVERBURDEN + RUBBLE
+ BASALT.

3.05 — TERTIARY BASALT 3.05 - 20.25m
WEATHERED BASALT
RUBBLY + FRAGMENTARY.

6.40 — FINE GRAINED BASALT
EXTREMELY MASSIVE, NOT
FRACTURED JOINTED
BUT COMPACT - HARD
LIGHT BLUISH GREY.
GOOD DRILLING BUT HARD

12.45 — CHLORITE BASALT
CALCITIC CONTENT.

14.65 — MASSIVE FINE GRAINED
LIGHT GREY BLUE BASALT

18.80 — CHLORITE BASALT
CALCITIC MATERIAL.

20.25 — TERTIARY CONGLOMERATE
SEQUENCE
QUITE CONSOLIDATED, LARGE
BOULDERY CONGLOMERATE
SHARP CONTACTS AT BOTH
TOP AND BOTTOM.

23.75 — GORDON LIMESTONE SEQUENCE
23.75 - 41.10

ANGLE READ
ANGLE CORRECTED
AZIMUTH
DEPTH

SURVEY P.D.A.

CONTRACTOR McINTYRE MINES (CONTRACTORS)
CORE NX
CASING NX (HQ)

DATE 2nd JAN 1983

LOGGED BY CHW
STARTED 14 DEC 1982
FINISHED 21 DEC 1982

037

SCALE 1:100

LENGTH 50.87m | NORTHING 7767N
AZIMUTH 301° | EASTING 7820 C
DIP AT COLLAR 65°E | ELEVATION 417.8
LOCATION LOCATION 25

McINTYRE MINES (AUST.) PTY. LTD.
EXPLORATION DEPARTMENT

HOLE No 223 | PAGE 1 OF 2/4

PROJECT KARA

% CORE RECOVERY	CORE SPLIT	FEATURE: INTERVAL	FEATURE: MAGNETIC	FRACTURING	BEDDING	GEOLOGY	MINERAL
25							
15.30							
25.91							
73.6							
26.87							
44.2							
27.43							
100							
29.26							
61.96							
29.87							
30							
100							
31.09							
80.2							
32.0							
100						Sc	
33.22							
35							
27.63							
35.97							
73.77							
37.19							
43.96							
38.10							
40							
14.42							
41.15							
100		1.0	640				
42.06							
100		1.0	440			Tgd	
43.28							
50		1.0	430				
44.56		1.0	500				
45 44.55							
		1.0	360			Tmgd	
46.48		1.0	230				
		1.0	360				
48.16							
		1.0	260			Tgd	
49.31		1.0	90				

MINERALISATION

NIL.
FLUORESING
MINERALISATION.

NIL
FLUORESCING
MINERALISATION

GEOLOGY

LIMESTONE SEQUENCE

23.15 - 29.25 - CALCITIC - QUIT % LOW, CARBONEOUS SANDSTONE
FINE TO MEDIUM GRAINED TEXTURE
WELL JOINTED, FRACTURED
SHORT DRILL RUNS.

29.25

WELL INDURATED SANDSTONE / QUARTZITE
DIRTY WHITE COLOUR
IRON (SOOTY) ON JOINTS.

31.10

CARBONEOUS SANDSTONE - QUARTZITE
INDURATED, BUT WELL JOINTED AND BLOCKY
POOR DRILLING
LITTLE OR NIL IRON IMPREGNATIONS

41.10

SHARP CONTACT WITH SEQUENCES BELOW.

UPPER GRANITE UNIT
41.10 - 43.30 41.10 - 59.18m
WEATHERED GARNET-DIOPSIDE GRANITE
LITTLE OR NO MAGNETITE CONTENT
DISTINCTIVE BROWN COLOURATION.
MEDIUM-COARSE TEXTURE

43.30

TO 47.80 - AS ABOVE UNIT, BUT WITH INTRODUCTION OF WEATHERED SOOTY IRON CONTENT
FAIRLY DECOMPOSED, SOFT AND RUBBLY
MEDIUM TO COARSE GRAINED TEXTURE

47.80

VERY FRACTURED RUBBLY ZONE AND PRESENCE OF UNSCARIFIED MATERIAL

54.25

ANGLE READ
ANGLE CORRECTED
AZIMUTH
DEPTH

SURVEY PDA

CONTRACTOR McINTYRE MINES (C. McCOMBE)
CORE NX
CASING NX (4.08m)

DATE 2 JAN 1983

LOGGED BY CHW
DRAFTED 14 DEC 1982
PROOFED 21 DEC 1982

SCALE 1:100

LENGTH 96.87m NORTHING 7767 N
AZIMUTH 301° EASTING 7826 O
DIP AT COLLAR 65°E ELEVATION 4178
LOCATION LOCATION 15.

McINTYRE MINES (AUST.) PTY. LTD.
EXPLORATION DEPARTMENT
HOLE No 033 PAGE 1 OF 3/4
PROJECT. KARA.

% CORE RECOVERY	CORE SPLIT	FEATURE (INTERVAL)	FEATURE (PROPERTIES)	FRACTURING	BEDDING	GEOLOGY	MINERAL
		1.0	320				
27.21		1.0	310				
74.7		2.0	470				
54.25		1.0	180			Tgel	
100							
55.16		1.0	160				
75.1							
56.65		1.0	70				
100		1.0	110				
57.51		1.0	120				
100		1.0	60				
60.33		1.0	15				
100		1.0	20			5N.	
		1.0	10				
63.35		1.0	15				
100		1.0	300				
		1.0	1550				
66.43		1.0	27%			Tm 4c	
100		1.0	33%				
		1.0	1900				
69.65		1.0	45%				
100		1.0	46%				
		1.0	41%			Tm 7c.	
72.53		1.0	24%				
100		1.0	1650				
		1.0	0.86%				

MINERALISATION	GEOLOGY
	54.25 - 55.80
	GARNET EPIDOTE - DIOPSIDE SKARN
	ONLY A LITTLE MAGNETITE CONTENT.
NIL	MEDIUM TO COARSE GRAINED 'SUGARY' TEXTURE.
FLUORESCENT MINERALISATION.	PARTIALLY WEATHERED.
	SOFT 50cm RUNS IN SEQUENCE
	55.80
	WEATHERED UNIT AS ABOVE BUT STRONGLY IMPREGNATED WITH Fe
	59.15
	TRANSITIONAL MARBLE SEQUENCE.
NIL.	HIGHLY METAMORPHOSED - METASOMATISED QUARTZITE MARBLE SEQUENCE.
	FINE TO MEDIUM GRAINED.
	SKARNIFICATION (GARNET-EPIDOTE DEVELOPMENT) APPARENT
	62.50
RED FLUORESCENCE APPARENT BUT NOT STRONGLY DEVELOPED.	EPIDOTISATION OF ABOVE BEGINS EXTREMELY WELL DEVELOPED
	64.65 TRANSITIONAL CONTACT WITH BELOW
FIRST INTRODUCTION OF SCHEELITE AT 64.75m.	LOWER SKARN UNIT. 64.65 - 76.85m.
AT 66.50 FOR 15cm GOOD COARSE SCHEELITE DEVELOPMENT	MAGNETITE SKARN WITH APPROX 40% MAGNETITE
67.70 - START OF CONTINUOUS WELL DISTRIBUTED DEVELOPMENT OF SCHEELITE MINERAL.	GRADATIONAL ABOVE + BELOW MAGNETITE INCREASES TO 70% AT 67.65m
	67.45
	MAGNETITE SKARN
	MAGNETITE CONTENT ESTIMATED AT 75%
	BANDED AND OLIVINY ABSENCE OF EPIDOTE.
70 - 72.50m - EXCELLENT LARGE CRYSTALLINE SCHEELITE. EST 5% WO3	MEDIUM GRAINED TEXTURE.
	HARD FRESH AND QUITE MASSIVE.
73.50 - 73.70 - 0.2% EST.	
74 - 75.70 WELL DISTRIBUTED SCHEELITE 1% WO3	↓ 76.85m

ANGLE READ
ANGLE CORRECTED
AZIMUTH
DEPTH
SURVEY PDA
CONTRACTOR McINTYRE MINES (P.D. SCHWACK)
CORE NX
CASING NX (6.08)
DATE 2nd JAN 1983
LOGGED BY CHW
STARTED 14 DEC 1982
FINISHED 21 DEC 1982

039

70 040

SCALE 1:100

LENGTH	90.81m	NORTHING	9767.4
AZIMUTH	301°	EASTING	7820.0
DIP AT COLLAR	65°	ELEVATION	417.8
LOCATION	LOCATION L.E.		

McINTYRE MINES (AUST.) PTY. LTD.
EXPLORATION DEPARTMENT

HOLE No 333 PAGE 4/4

PROJECT. NARA

% CORE RECOVERY	CORE SPLIT	FEATURE (MISCELLANEOUS)	FEATURE (APPROXIMATE)	FRACTURING	BEDDING	GEOLOGY	MINERAL
75.50		1.0	600				
76.49		1.0	240				
77.16							
78.61							
80.40						Sa	
81.44							
82.88							
84.71						Q	
87.78							
						Q/Gr	
90.81						Gr	

MINERALISATION

(NIL MINERALISATION/SCHEELITE AFTER 75.70m).

RED FLUORESCENCE 76.10 to 77.30

NIL.

NIL

GEOLOGY

76.30 — CONTACT ZONE OF SKARN TO ARENACEOUS UNIT

76.85 — ARENACEOUS UNIT.

FINE GRAINED QUARTZITE — SKARNIFIED TO 82.90m

METASOMATIC ALTERATION DECREASING WITH DEPTH TO 82.90m.

JUNTED FRACTURES SHOW SLIGHT MOVEMENT AND EPIDOTE - AMPHIBOLE DEVELOPMENT.

82.90 — FINE GRAINED GREY QUARTZITE.

ONLY A LITTLE BANDING APPARENT - BECOMING MORE HOMOGENEOUS AND MASSIVE.

86.70 — EPIZONE - GRANITISED HIGHLY SILICIFIED QUARTZITE.

FINE GRAINED MASSIVE, HARD.

90.60 — GRANITE - VERY FINE GRAINED PINKISH GREY.

E.O.H. 90.81m

ANGLE READ

ANGLE CORRECTED

AZIMUTH

DEPTH

SURVEY P.D.A.

CONTRACTOR McINTYRE MINES (PATERSONS RANGE)

CORE NX

CASING NX (6.0cm)

LOGGED BY GHN DATE 2 JAN 1983

STARTED 16 DEC 1982

FINISHED 21 DEC 1982